

Unit 1: One-Variable Statistics

PRACTICE

Name: _____ Date: _____

Show your work and give each answer as a single exact number.

1. Find the mean of the data set: 4, 8, 10, 6, 12.

Answer: _____

2. Find the median of the data set: 3, 9, 5, 1, 7, 11.

Answer: _____

3. Find the median of the data set: 15, 22, 18, 30, 25.

Answer: _____

4. Find the mode of the data set: 5, 7, 7, 2, 9, 7, 3.

Answer: _____

5. Find the range of the data set: 14, 3, 22, 8, 19.

Answer: _____

6. For the data set 2, 4, 6, 8, 10, 12, 14, 16, find the first quartile (Q1).

Answer: _____

7. For the data set 2, 4, 6, 8, 10, 12, 14, 16, find the third quartile (Q3).

Answer: _____

8. The first quartile of a data set is 12 and the third quartile is 28. Find the interquartile range (IQR).

Answer: _____

9. Find the IQR of the data set: 1, 3, 5, 7, 9, 11, 13.

Answer: _____

10. Find the mean of the data set: 20, 25, 30, 35, 40, 45.

Answer: _____

11. A data set has 6 values with a mean of 15. What is the sum of all the values?

Answer: _____

12. Find the standard deviation of the data set: 2, 4, 4, 4, 5, 5, 7, 9 (population standard deviation).

Answer: _____